IN THE SPECIFICATION:

On page 1, please amend the second paragraph beginning on line 16, as follows:

--Document classification is important not only in office document processing but also in implementing an efficient information retrieval system. The latter is gaining importance with the explosive use of distributed computer networks such as the Internet. ~~For example~~ Currently, even the most popular document classification tasks in YAHOO® are totally done by humans. However, this method is restricted by the realities of manual capacity to the classification of a limited number of documents and is wholly insufficient to process the almost limitless number of documents available in today's highly networked environment.--

On page 3, please insert the following new paragraph before line 22:

--The present invention is directed to a method of setting up a DLSI space-based classifier and using such classifier to evaluate the possibility of a document's belonging to a given cluster of a plurality of clusters stored in a database using a posteriori probability function. The DLSI space-based classifier is set up using a computer and is stored in a computer storage device. Once set up, the computer uses the classifier to classify documents as belonging to one of a plurality of clusters within a database on an automated basis.--